

REMARKS

35 U.S.C. § 103 Rejections

The Examiner has rejected claims 1, 3-4, 7-12, and 15-21 under 35 U.S.C. § 103(a) as being unpatentable over Jiang, et al. in view of Chia, et al., further in view of DiStefano, et al., further in view of Kitajima, et al. This includes independent apparatus claims 1 and 18. Applicant submits that independent claims 1 and 18, as amended, and their dependencies, are patentable over the cited references.

There is no suggestion in any of the references that standoff members on an electronic device can be used to prevent a capacitor from coming into contact with a board when attachment layers on the standoff members are being soldered to contact terminals on the board.

Jiang discloses the use of balls 40 having a core material and an outer layer, wherein the core material has a higher melting temperature than the outer layer. See the abstract. By this arrangement, the core material with an outer layer provides bumps that are substantially uniform in height. See the abstract. There is no suggestion in Jiang that the balls can be used to prevent a capacitor mounted to the surface 22 from coming into contact with the substrate 10. In fact, Jiang does not disclose a capacitor at all.

DiStefano discloses nothing in addition to Jiang in this respect. DiStefano teaches the use of solder 32 to secure a spherical solid core 30 to pads 26 and 52. The arrangement including the core 30 and the solder 32 serves no additional purpose other than to secure the core 30 to the contacts 26 and 52. There is no suggestion in

DiStefano that the cores 30 can be used to prevent a capacitor from coming into contact with an opposing component. In fact, DiStefano is also silent regarding a capacitor.

Chia and Kitajima also fail to disclose a capacitor and the use of solid cores to prevent the capacitor from coming into contact with an opposing component.

Claims 1 and 18 now include the limitation that a capacitor is mounted to the electronic device and prevented from contacting the board by the standoff members. Claim 1 thus includes at least one limitation that is not disclosed by the references cited by the Examiner, alone or in combination. Neither do the references suggest the use of such standoff members for preventing a capacitor from coming into contact with a board.

As such, Applicant submits that claims 1 and 18 and their dependencies are patentable over the cited references. Applicant, accordingly, respectfully requests withdrawal of the rejections of claims 1, 3-4, 7-12, and 15-21 under 35 U.S.C. § 103(a) as being unpatentable over Jiang, et al. in view of Chia, et al., further in view of DiStefano, et al., further in view of Kitajima, et al.

The Examiner also rejected claim 22 as being unpatentable over Jiang, et al. in view of Smith, further in view of Shimada, et al., further in view of Kitajima, et al. The Jiang and Kitajima references have been dealt with above. The Smith and Shimada also fail to disclose the use of a capacitor or suggest that standoff members can be used for preventing a capacitor from coming into contact with a board. Claim 22 is a method claim that has been amended with limitations that are similar to the

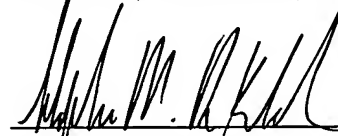
limitation of claim 1, in particular the inclusion of the capacitor. Applicant, accordingly, respectfully submits that claim 22 is patentable over the cited references for at least the same reasons as claim 1, in view of the additional references of Smith and Shimada. Applicant, accordingly, respectfully requests withdrawal of the rejections of claim 22 under 35 U.S.C. § 103(a) as being unpatentable over Jiang, et al. in view of Smith, further in view of Shimada, et al., further in view of Kitajima, et al.

Applicant respectfully submits that the present application is in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call Stephen M. De Klerk at (408) 720-8300.

Please charge any shortages and credit any overages to Deposit Account No. 02-2666. Any necessary extension of time for response not already requested is hereby requested. Please charge any corresponding fee to Deposit Account No. 02-2666.

Respectfully submitted,

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